

IMPORTANT NOTICE: PROFESSIONAL TRANSPORTATION BULLETIN REVISIONS

Selection Date: April 14, 2004

The following revisions have been made to this Professional Transportation Bulletin. If you downloaded the bulletin prior to the noted revision date, you should incorporate the revisions or download and use a new copy of the bulletin.

REVISION DATE: March 3, 2004

Item 29: Added Item 29. Statements Of Interest Must Be Received By The Bureau Of Design And Environment Prior To **4:30 P.M.** Local Time, **March 17, 2004.** Statements Received After This Time Will Not Be Considered.

Item 30: Added Item 30. Statements Of Interest Must Be Received By The Bureau Of Design And Environment Prior To **4:30 P.M.** Local Time, **March 17, 2004.** Statements Received After This Time Will Not Be Considered.

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| 20. | VARIOUS | Perform land surveys and route location and design surveying in District Nine. |

**BUREAU OF
BRIDGES AND
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DISTRICT 6

The Bureau of Design and Environment must receive statements of Interest for Items 29 and 30 prior to 4:30 p.m. local time, March 17, 2004. Statements of Interest received after this time will not be considered.

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| 29. | CHRISTIAN | Provide Phase II engineering services for the construction of a new four-lane expressway on new alignment (US 51). |
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1. **Job No. D-91-111-04, FAU 3578 (IL 7), over US 45, Cook County, District One.**

This project requires 15.00% DBE participation.

The **Complexity Factor** for this project is **0.003**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **April 21, 2004 at 10:00 A.M.** at the District One Office in **Schaumburg**.

Phase II engineering services are required for the Consultant to prepare plans, specifications and estimates for the replacement of the IL 7 structure over US 45. The roadway approximately 1300 feet west of the structure and 1000 feet east of the structure will be reconstructed for an approximate total distance of about 2500 feet. Retaining walls are anticipated on the west side of IL 7 north and south of the structure. The proposed typical section will accommodate one lane in each direction and will include B-6.24 curb and gutter. Sidewalk will be constructed along the west side of IL 7. Traffic will be detoured during construction. All work for this project will be in English units.

The following structure is included in this project:

- S.N. 016-0465 (IL 7 over US 45) –The existing structure is 83 feet back to back abutments with a total out to out width of 39'4". It consists of one 12-foot lane in each direction, a 10-foot shoulder on the north side and a 13-foot shoulder on the south side. The proposed structure is expected to accommodate one 13-foot lane, a 1'9" shoulder and a 1'7" barrier on the south side of the structure and one 13-foot lane, a 2-foot shoulder, a 7-foot sidewalk and a 1-foot barrier on the north side of the structure. The profile of the proposed structure is anticipated to be raised.

The department will furnish the Consultant with project report, bridge condition report, available microfilm and available survey.

The estimated construction cost for this project is \$8,500,000. The Consultant's work includes preparation of contract plans, specifications and estimates including TS&L and structure plans, structure boring and analysis, supplemental survey and all other work required to complete the project. This work must be completed by June 30, 2005.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.

- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

Firms must be prequalified in the following categories to be considered for this project:

Highways (Roads & Streets)
Structures (Highway: Typical)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address:
SOIPTB@nt.dot.state.il.us.

2. **Job No. D-91-114-04 & D-91-115-04, IL 53, Design of a Jacking System for Trunnion Replacement on Moveable Bridge, Will County, District One.**

The **Complexity Factor** for this project is **0.008**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **May 25, 2004** at **9:00 A.M.** at the District One Office in **Schaumburg**.

Phase II engineering services are required for the design of the Jacking System and related work necessary to replace the trunnion shaft and bearings of the Bascule bridge carrying IL 53 (Ruby St.) over the Des Plaines River. This will include analyzing the existing bridge and designing the Jacking System. The trunnion replacement and pinion gear rehabilitation will be designed by in-house staff and coordinated with the Consultant. All work for this project will be in English units.

The following structure is included in this project:

- S.N. 099-9901-IL 53 (Ruby St.) over Des Plaines River.

The department will furnish the Consultant with plans of the existing structure, and access to the bridge site.

The estimated construction cost for this project is \$3,000,000. The Consultant's work includes analysis of the existing bridge and design of the Jacking System plans and specifications. The trunnion replacement and pinion gear rehabilitation will be designed by in-house staff and coordinated with the Consultant.

This project includes that the selected Consultant will be required to review the construction submittals for their portion of this project. Hours should be included for review of construction submittals in Phase III. This work must be completed within 24 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.

- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

Firms must be prequalified in the **Structures (Movable)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@nt.dot.state.il.us.

3. **Job No. D-91-122-04, Various Quality Assurance Testing, Various Counties, District One.**

The **Complexity Factor** for this project is **0.003**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **April 28, 2004 at 10:00 A.M.** at the District One Office in **Schaumburg**.

Phase III engineering services are required to perform the quality assurance responsibilities of hot-mix asphalt (HMA) and/or Portland cement concrete (PCC) construction. The project includes Complete Quality Assurance Testing in accordance with the Standard Specifications for Road and Bridge Construction and any applicable contract special provisions. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis. All work for this project may be in either English or metric units.

The department will furnish the Consultant with job locations for Quality Assurance Testing.

The Consultant's work includes plant and on-site inspections, sampling and material testing. The Consultant will carry out quality assurance duties as defined in the construction contract and the Consultant agreement. The Consultant will maintain records and submit documentation of all QC and QA activities required by the construction contract. The cost and completion dates for final reports will be negotiated by the department for each project prior to authorization by the department on an as-needed basis. Reports are to be submitted within five working days after completion. The Consultant will furnish a Quality Assurance Project Manager, trained testing technicians, approved laboratory and equipment/facilities to carry out the requirements of this project. The completion date for this contract will be 18 months after authorization to proceed.

Quality Assurance (QA) oversight and Contractor's Quality Control (QC) by the same Consultant or one of their subconsultants on the same project or on material coming from the same plant, are prohibited.

The Statement of Interest must include disclosure of all current or known future relations with contractors.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will manage the required QA activities and tests (must be an Illinois Licensed Professional Engineer).
- The person(s) who will be in charge of QA Lab and field-testing.
- The Materials Coordinator.
- QC/QA Level I and Level II (HMA and PCC) Testing Technician.
- The Materials QA Technician.

Firms must be prequalified in the **Special Services (Quality Assurance)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@nt.dot.state.il.us.

4. Job No. D-91-121-04, Various Land Surveys, Various Counties, District One.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **April 19, 2004 at 10:30 A.M.** at the District One Office in **Schaumburg**.

Engineering services are required for signboard control inventory in District One. The Consultant's work will include GPS location with a state plane coordinate (NAD 83 EAST ZONE) at the center of all signboards (approx. 12,200). They will also acquire four digital photos at each site. This information will be downloaded into a database that will be established by the department. This database will be accessed through ESRI Arc View with a geo-referenced map of the six county areas. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis. All work for this project may be in either English or metric units.

The completion date for this contract will be 12 months after authorization to proceed.

Firms must be prequalified in the **Special Services (Land Surveys)** category to be considered for this project.

Statements of Interest must be submitted electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@nt.dot.state.il.us.

5. Job No. D-91-102-04, Various Geotechnical Investigation, Various Counties, District One.

This will be a **Cost Plus Fixed Fee** contract.

The **Complexity Factor** for this project is **0.035**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **April 28, 2004** at **10:00 A.M.** at the District One Office in **Schaumburg**.

Phase I and/or II engineering services are required for geotechnical investigations and preparation of geotechnical reports at various locations in District One. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis. All work for this project may be in either English or metric units.

The department will furnish the Consultant with plan and profile Mylar drawings plus cover sheet and typical cross-sections and/or CADD files containing these drawings; proposed storm sewer invert elevations; alignment ties, grade information and elevations; proposed pavement structures; name and address of private property owners, where applicable and when available.

The Consultant's work includes foundation explorations of new or refurbished structures and roadway soil surveys. All work shall be in accordance with the department's Geotechnical Manual. This work must be completed within 12 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will perform the duties of Senior Soils Engineer for all aspects of the work (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Soils Engineer, that individual in charge who is directly involved in development of the reports.
- The person who will perform the QC/QA review work.

Firms must be prequalified in the **Special Services (Geotechnical Engineering: Typical)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@nt.dot.state.il.us.

6. Job No. P-93-014-04, Land Surveys, Various Routes, Various Counties, District Three.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a scope of services meeting on **April 20, 2004 at 10:00 A.M.** at the District Three Office in **Ottawa**.

Phase I and II engineering services are required for route surveys, land acquisition surveys, the preparation and review of preliminary and final right-of-way plans, premise plats, and legal property descriptions related to land acquisition activities for various projects along various routes in various counties in District Three. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis. All work for this project may be in either English or metric units.

The Consultant's work includes research, land surveys, route surveys, premise plats, legal descriptions, monument records and all investigation and documentation required to prepare preliminary and final right-of-way plans. The Consultant's work also includes reviewing right-of-way documents prepared by others, which will involve reviewing title commitment descriptions, existing right-of-way location, proposed right-of-way location, legal property description content and closures and computation of areas in existing right-of-way, proposed right-of-way, easements and total holding. A general overall review of the right-of-way documents will be completed for quality, content and format using guidelines furnished by the department.

The department will furnish the Consultant with available construction plans, available aerial photography, existing right-of-way plats and plans, proposed right-of-way requirements, title commitments and available subdivision plats. The Consultant will use this information to prepare and review preliminary and final right-of-way plans, premise plats and legal property descriptions depicting the proposed additional right-of-way needed for various projects along various routes in various counties in District Three.

The completion date for this contract will be 18 months after authorization to proceed. The agreement with the Consultant will include an option for renewal by the department for an additional 18 months.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Land Surveyor).

Firms must be prequalified in the following categories to be considered for this project:

Special Services (Land Surveys)
Special Services (Route Surveys)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address:
SOIPTB@nt.dot.state.il.us.

7. **Job No. D-93-063-03, I-57, Manteno Interchange, at Manteno, Kankakee County, District Three.**

This project requires 10.00% DBE participation.

The **Complexity Factor** for this project is **0.003**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a scope of services meeting on **April 20, 2004 at 2:00 P.M.** at the District Three Office in **Ottawa**.

Phase II engineering services are required for the preparation of contract plans, special provisions and estimates for reconstructing the existing interchange on I-57 at Manteno, including bridge replacement of S.N. 046-0058 carrying Manteno Road over I-57. All work for this project will be in English units.

The Consultant's work includes preliminary and final roadway construction plans, field surveys, and structure plans, special provisions and estimates for interchange ramps, roadway and structures.

The department will furnish the Consultant with the Project Report, Access Justification Report, drainage report, hydraulic report, type, size and location (TS&L) drawings, foundation borings, surveys, any available as-built plans, microfilm plans, field notes, traffic data, accident statistics, agency coordination, existing right-of-way plans, aerial photography, and other information.

The estimated construction cost for this project is \$10,000,000. The completion date for this contract will be 18 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

Firms must be prequalified in the following categories to be considered for this project:

Highways (Freeways)
Structures (Highway: Typical)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@nt.dot.state.il.us.

8. **Job No. D-93-012-04, I-57, Reconstruction of IL 50 Interchange and Dual Bridge Replacement of the ICG Railroad Bridges on I-57 at Bradley, Kankakee County, District Three.**

This project requires 10.00% DBE participation.

The **Complexity Factor** for this project is **0.003**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a scope of services meeting on **April 22, 2004 at 10:00 A.M.** at the District Three Office in **Ottawa**.

Phase II engineering services are required for the preparation of contract plans, special provisions and estimates for reconstructing the existing I-57 interchange with IL 50 at Bradley including the dual bridge replacements of S.N. 046-0014 and 046-0015 carrying I-57 over IL 50 and the dual bridge replacements of S.N. 046-0016 and 046-0017 carrying I-57 over the ICG railroad. All work for this project will be in English units.

The Consultant's work includes preliminary and final roadway construction plans, field surveys, and structure plans, special provisions and estimates for interchange ramps, roadway, structures and all other work required.

The department will furnish the Consultant with the Project Reports, hydraulic report, type, size and location (TS&L) drawings, foundation borings, drainage report, surveys, any available as-built plans, microfilm plans, field notes, traffic data, accident statistics, agency coordination, existing right-of-way plans, aerial photography, and other available information.

The estimated construction cost for this project is \$21,230,000. The completion date for this contract will be 18 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

Firms must be prequalified in the following categories to be considered for this project:

Highways (Freeways)
Structures (Highway: Advance Typical)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address:
SOIPTB@nt.dot.state.il.us.

9. **Job No. D-93-021-04, FAP 311 (IL 71), From Orchard Road to US 34 in Oswego, Kendall County, District Three.**

This project requires 10.00% DBE participation.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a scope of services meeting on **April 22, 2004 at 2:00 P.M.** at the District Three Office in **Ottawa**.

Phase II engineering services are required for the preparation of contract plans, special provisions and estimates for the reconstruction of IL 71 from approximately Orchard Road to US 34 in Oswego. All work for this project will be in English units.

The Consultant's work includes preparation of preliminary and final roadway construction plans, special provisions, estimates, any required field surveys, and any other work required to complete the contract.

The department will furnish the Consultant with the Project Report, drainage report, surveys, any available as-built plans, microfilm plans, field notes, traffic data, accident statistics, agency coordination, existing right-of-way plans, aerial photography, and other available information.

The estimated construction cost for this project is \$11,800,000. The completion date for this contract will be 18 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer).

Firms must be prequalified in the **Highways (Roads & Streets)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@nt.dot.state.il.us.

10. **Job No. D-93-011-04, I-80, Proposed Interchange at Brisbin Road, Grundy County, District Three.**

This project requires 10.00% DBE participation.

The **Complexity Factor** for this project is **0.003**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a scope of services meeting on **April 20, 2004 at 10:00 A.M.** at the District Three Office in **Ottawa**.

Phase II engineering services are required for the preparation of contract plans, special provisions and estimates for constructing a new interchange on I-80 at Brisbin Road, approximately 3.7 miles east of IL 47 including bridge replacement of S.N. 032-0058 carrying Brisbin Road over I-80. All work for this project will be in English units.

The Consultant's work includes preliminary and final roadway construction plans, field surveys, type, size and location (TS&L) drawings and structure plans, special provisions and estimates for interchange ramps, roadways and structures.

The department will furnish the Consultant with the combined Design Report, Access Justification Report, drainage report, surveys, any available as-built plans, microfilm plans, field notes, traffic data, accident statistics, agency coordination, existing right-of-way plans, aerial photography, and other available information.

The estimated construction cost for this project is \$12,000,000. The completion date for this contract will be 18 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

Firms must be prequalified in the following categories to be considered for this project:

Highways (Freeways)
Structures (Highway: Typical)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address:
SOIPTB@nt.dot.state.il.us.

11. **Job No. D-94-073-00, FAS 1190 (US 150), Bridge Replacement, Knox County, District Four.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a Scope of Services meeting on **April 21, 2004 at 10:30 A.M.** at the District Four Office in **Peoria**.

Phase II engineering services are required for the preparation of preliminary structure plans, final structure plans, right-of-way documentation, and right-of-way staking for the removal and replacement of the structure carrying US 150 over Henderson Creek (Existing Structure No. 048-0027), approximately 6.3 miles north of US 34 in Knox County. It is anticipated that the District Four in-house staff will complete the roadway plans. All work for this project will be in English units.

The department will furnish the Consultant with the Project Report, Bridge Condition Report, Hydraulic Report, the TS&L, and any other available information.

The estimated construction cost is \$1,100,000, which includes the roadway portion. The completion date for this contract will be 12 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of a Project Manager for all aspects of the work (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.
- The person who will be in charge of route surveys and land surveys (must be an Illinois Licensed Professional Land Surveyor).
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

Firms must be prequalified in the following categories to be considered for this project:

Structures (Highway: Simple)
Special Services (Route Surveys)
Special Services (Land Surveys)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following email address: SOIPTB@nt.dot.state.il.us.

12. **Job No. P-95-008-04 / D-95-022-04, Phase I and/or II Work for Various Projects, Various Counties, District Five.**

This project requires 10.00% DBE participation.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **April 28, 2003** at **10:00 A.M.** at the District Five Office in **Paris**.

Phase I and/or II engineering services are required for work on various projects in District Five. Work Orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis. All work for this project may be in either English or metric units.

The Consultant's Phase I work, if required, may consist of conducting route surveys, subsurface utility engineering, hydraulic analysis, bridge condition reports, geometric studies, and preparing project reports (Categorical Exclusion reports only). This work may include data collection, development of alignment alternatives, cost estimates, traffic management analysis, accident analysis, quantity computations, and other related work items required to produce a project report.

The Consultant's Phase II work, if required, may consist of conducting route surveys, land surveys, right of way plat and plan preparation, writing legal descriptions, staking right of way, hydraulic analysis, geometric studies, roadway plans, TS&L drawings; prefinal structure plans; final structure plans; and any other related work required to complete final plans, special provisions, and estimates as necessary.

The various projects may consist of patching and resurfacing, widening and resurfacing, new roadway, structure replacement, new structures, structure repair, structure rehabilitation, and/or culvert replacements.

The department will furnish the Consultant with any available Traffic Data, Bridge Condition Reports, Existing Plans, Utility Coordination, Survey Data, Microstation Files, Geopak Files, Boring Logs, and Accident Data.

It is anticipated that this contract will include approximately four to ten different projects. The Consultant's work will consist of either complete projects or a portion of the total engineering work on a certain project.

The estimated construction cost of each project will range from approximately \$10,000 to \$5,000,000. This work must be completed within 18 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

Firms must be prequalified in the following categories to be considered for this project:

Highways (Roads & Streets)
Structures (Highway: Typical)
Location/Design Studies (Rehabilitation)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@nt.dot.state.il.us.

13. **Job No. D-97-013-04, Phase I & II for Various Projects 2004, Various Counties, District Seven.**

This project requires 10.00% DBE participation.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **April 21, 2004 at 10:00 A.M.** at the District Seven Office in **Effingham**.

Phase I and/or II engineering services are required for the preparation of work on various projects in District Seven. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis. All work for this project will be in English units.

The Phase I work, if required, may consist of conducting route surveys, hydraulic surveys, hydraulic analysis, geometric studies, and preparing Project Reports (Categorical Exclusion projects only). This work includes data collection, development of alignment alternatives, cost estimates, traffic management analysis, accident analysis, and other related work and exhibits necessary to produce the Project Report as necessary.

The Phase II work may consist of conducting route and land surveys, hydraulic analysis, geotechnical investigations (including foundations boring), roadway plans, bridge repair plans, right-of-way plats and plan preparation, and any other related work to complete final plans, special provisions and estimates as necessary.

The various proposed projects may consist of simple patching and resurfacing, bridge repair, bridge rehabilitation, urban projects with storm sewer, widening and resurfacing and/or new roadway projects, which may include preparation of plats & plans for right-of-way acquisition.

The department will furnish the Consultant with available as-built plans, microfilm, field notes, existing right-of-way plans, aerial photos, boring logs and other information necessary for the consultant to accomplish his work. Also provided, the horizontal and vertical control points, existing construction and right-of-way plans and existing aerial photography.

The estimated construction cost for these projects range from \$200,000 to \$4,000,000. The Consultant's work will consist of either complete projects or a portion of the total engineering work on a certain project. This work must be completed within 24 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).

- The person who will be in charge of land surveys (must be an Illinois Licensed Professional Engineer or an Illinois Professional Licensed Surveyor).
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer).

Firms must be prequalified in the following categories to be considered for this project:

Highways (Roads & Streets)
Location/Design Studies (Rehabilitation)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address:
SOIPTB@nt.dot.state.il.us.

14. **Job No. P-98-018-04, IL 159 (Illinois Street), A Street to IL 15, St. Clair County, District Eight.**

OPPORTUNITY RETURNS ENGINEERING PROJECT

This project requires 12.00% DBE participation.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **April 27, 2004** at **10:00 A.M.** at the District Eight Office in **Collinsville**.

Phase I and II engineering services are required for the development of a streetscape design along IL 159 from A Street to IL 15 in Belleville. This may include landscaping, sidewalk reconstruction/beautification, ornamental lighting, landscaped median and converting the Belleville Square at Main Street to a roundabout. Included with this work is constructing a separate storm sewer system from the existing combined sewer along IL 159. All work for this project will be in English units.

Phase I engineering services for this project include, but are not limited to the development of Intersection Design Study (Studies) and geometric details; accident analysis; design of proposed storm sewer; environmental coordination; development of concepts for landscape and lighting in the project; public coordination and preparation of a Project Report and separate Location Drainage Study.

Phase II engineering services include preparation of a contract set of plans, special provisions, and estimates for the streetscape concept developed in Phase I. Landscape architectural design will be required for Phase II.

The department will furnish the Consultant with traffic counts, accident data, as-built plans (where available) existing right-of-way, land survey and some environmental data.

The estimated construction cost for this project is \$7,500,000. The Consultant's work includes preparation of all Phase I documents necessary to achieve Design Approval, including, but not limited to, plans, typical sections, cross-sections conducting public meeting(s) and preparation of a Project Report. All Phase I and II work must be completed by January 31, 2006.

Key personnel listed on **Exhibits A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform/supervise the work in the area of drainage calculations and preparation of the Drainage Report (must be an Illinois Licensed Professional Engineer).

- The person who will perform the landscape architectural design.
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work).

Firms must be prequalified in the following categories to be considered for this project:

Location/Design Studies (Rehabilitation)
Special Studies (Location Drainage)
Highways (Roads & Streets)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address:
SOIPTB@nt.dot.state.il.us.

15. **Job No. P-98-005-04, First Street Connector from Exchange Avenue to Collinsville Avenue in East St. Louis, St. Clair County, District Eight.**

OPPORTUNITY RETURNS ENGINEERING PROJECT

This project requires 12.00% DBE participation.

The **Complexity Factor** for this project is **0.008**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **April 28, 2004 at 10:00 A.M.** at the District Eight Office in **Collinsville**.

Phase I engineering services are required for the preparation of a Project Report and the associated environmental documents (anticipated to be an Environmental Assessment). This work involves data collection, ground surveys, land surveys, drainage studies, geotechnical work, structural evaluation, cost estimates, preparation of exhibits and accident analysis, preliminary preparation of contract plans for structure and roadway, all air, noise, cultural, biological, agricultural, socio-economic, and wetland work needed for preparation of an Environmental Assessment, and all other work necessary to complete the project report and Environmental Assessment NEPA documents must be in dual English & metric units. All other work for this project will be in English units.

The Project includes the construction of a new roadway extending from First Street in East St. Louis to Collinsville Avenue near the Gateway Racetrack. The alignment and facility type will be determined by an alternative analysis conducted as part of the design study. However, it is anticipated that the facility as proposed will be a two lane, curbed roadway including a structure carrying the First Street Connector over railroad tracks that run north and south, east of Exchange Avenue.

The department will furnish the Consultant with aerial photography and mapping, current traffic data, accident data, and as-built plans where applicable, unit prices for cost estimates, existing right-of-way information, existing environmental information, coordination and correspondence.

The estimated construction cost for this project is \$10,775,000. The project schedule must be prepared using SURETRAK. Phase I must be completed by March 1, 2006.

The key personnel listed on **Exhibit A** and **B** for this contract must include:

- The person who will assume the duties of Project Manager for all aspects of work (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation (must include an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.

- The person who will perform/supervise the work in the area of drainage calculations and preparation of the Drainage Report (must be an Illinois Licensed Professional Engineer).
- The person who will perform QA/QC review work of all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).
- The Environmental Lead, who will be responsible for the day-to-day management of the environmental work effort, and persons responsible for all environmental disciplines including air quality, water quality, traffic noise, socio-economics and ecology. Environmental staffing on **Exhibit B** must match the staffing presented in the firm's most recent Statement of Experience and Financial Condition.

Firms must be prequalified in the following categories to be considered for this project:

Location/Design Studies (New Construction/ Major Reconstruction)
Structures (Highway: Typical)
Special Studies (Location Drainage)

The prime Consultant must be prequalified in **Environmental Reports (Simple Environmental Assessment)** and must perform all of the environmental work using staff that has been presented in your most recently approved Statement of Experience and Financial Condition or your firm may use a single subconsulting firm that is prequalified in **Environmental Reports (Simple Environmental Assessment)** to perform all of the environmental work. The subconsultant's staff must be the same as presented in their most recently approved Statement of Experience and Financial Condition.

Firms must also be prequalified in **Special Services (Route Surveys)** or subcontract the Route Surveying work to a firm that is prequalified in this category.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@nt.dot.state.il.us.

16. **Job No. D-98-023-04, Phase I and II Projects, Various Routes, Various Counties, District Eight.**

This project requires 12% DBE participation.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial meeting on **April 20, 2004** at **10:00 A.M.** at the District Eight Office in **Collinsville**.

Phase I and/or II engineering services are required for various projects in District Eight. Work orders under the blanket agreement will be negotiated and authorized by the Department on an as-needed basis. All work for this project will be in English units.

The Phase I work, if required, may consist of conducting route surveys, hydraulic surveys, hydraulic analyses, geometric studies, preparing TS&L plans, preparing Bridge Condition Reports and preparing Project Reports (Categorical Exclusion projects only). This work will include data collection, cost estimates, traffic management analysis, accident analysis, Bridge Condition Report and other related work and exhibits necessary to produce a Project Report.

The Phase II work, if required, may consist of conducting route surveys, hydraulic analyses, geometric studies, roadway plans, and any other related work to complete final plans, specifications and estimates.

The various proposed projects may consist of simple patching and resurfacing, bridge repair, bridge rehabilitation, and bridge replacement.

The department will furnish the Consultant with any available as-built plans, microfilm plans, field notes, traffic data, accident statistics, agency coordination, existing right-of-way plans, aerial photos, boring logs and other information deemed applicable to the Consultant's work .

The engineering services required may consist of only a portion of the total engineering work on a certain project.

The estimated construction cost for these projects is from \$200,000 to \$4,000,000. This work must be completed within 24 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.

- The person who will perform/supervise the work in the area of drainage calculations and preparation of the Hydraulic Analyses (must be an Illinois Licensed Professional Engineer).
- The person who will be in charge of route surveys (must be an Illinois Licensed Professional Engineer or an Illinois Professional Licensed Surveyor).
- The person who will perform the QC/QA review work for all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).

Firms must be prequalified in the following categories to be considered for this project:

Highways (Freeways)

Structures (Highway: Typical)

Location/Design Studies (Reconstruction/Major Rehabilitation)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address:
SOIPTB@nt.dot.state.il.us.

17. **Job No. D-98-025-04, Subsurface Utility Engineering, Various Routes, Various Counties, District Eight.**

This project requires 12.00% DBE participation.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a scope of services meeting on **May 18, 2004 at 10:00 A.M.** at the District Eight Office in **Collinsville**.

Phase I and II engineering services for subsurface utility engineering are required on various projects throughout District Eight. There may be projects during Phase III. Work orders under a blanket agreement will be negotiated and authorized by the department on an as-needed basis. The Consultant shall respond within 24 hours to the District after receiving each work order assignment to discuss the scope of work, negotiate hours of work, equipment required, and direct cost. After the department gives the Consultant authorization to proceed, the Consultant shall commence work within ten calendar days.

This project includes providing the department with existing utility location information in written documents and electronic CADD files for the various projects assigned. This information shall be obtained by researching all utility companies' records that have facilities in the area and by performing actual field surveys to verify and map at the appropriate quality level all existing utilities on the assigned project. Field surveys are to be performed to horizontally locate above ground utility features, including but not limited to poles, manholes, valve boxes, meters, utility designation markings, etc. The Consultant shall also determine the existence and approximate horizontal position of underground utilities through the application of appropriate surface geophysical methods (QL B data). The exact horizontal and vertical locations of underground utilities shall also be determined by actually physically locating them (exposing and surveying) at designated spots with the use of special boring/excavating equipment insured not to damage existing utilities (QL A data).

The department will furnish the Consultant with any available as-built plans and/or microfilm plans, survey field notes, alignment data, cross ties, design CADD files or benchmarks.

The completion date for this contract will be 12 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be experienced in managing multiple subsurface utility engineering projects in urban environments).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work required for surveying (must be experienced in survey of utility features and must be an Illinois Licensed Professional Engineer).

- The person(s) who will perform the QC/QA review work of all milestone submittals (must be an Illinois Licensed Professional Engineer).

Firm must be prequalified in **Special Services (Subsurface Utility Engineering)** to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@nt.dot.state.il.us.

18. Job No. P-98-017-04, Land Surveying, Various Routes, Various Counties, District Eight.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **April 20, 2004 at 10:00 A.M.** at the District Eight Office in **Collinsville**.

Professional land surveying services are required under a blanket agreement for performing miscellaneous surveys in District Eight. The Consultant's work may include land surveying to reference the highway centerline to public land lines, land surveying to locate boundaries, record research, preparation of statutory Plats of Highway and legal descriptions for proposed right-of-way parcels, preparation of monument records and the staking of the proposed right-of-way. Professional land surveying services may also be required for preparation of existing right-of-way surveys and excess right-of-way plats. Work orders under a blanket agreement will be negotiated and authorized by the department on an as-needed basis. All work for this project may be in either English or metric units.

The department will provide alignment data, title commitments, existing right-of-way information and proposed right-of-way requirements for each project.

It is anticipated that this contract will include approximately ten to 20 such surveys during Fiscal Years 2004 and 2005. The completion date for this contract will be 24 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will be in charge of the surveying (must be an Illinois Licensed Professional Land Surveyor).

Firms must be prequalified in the **Special Services (Land Survey)** category to be considered for this project.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@nt.dot.state.il.us.

19. **Job No. R-99-008-03, Land and Route Surveys, Various Routes, Various Counties, District Nine.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **May 17, 2004** at **9:00 A.M.** at the District Nine office in **Carbondale**.

Land and route surveying services are required under a blanket agreement to furnish land and route surveying, including assistance for surveys, in areas such as right-of-way staking, land surveying, topographic and cross sections for highway projects, and also hydraulic surveys. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis. All work for this project may be in either English or metric units.

Local land surveyor project input is to be expected in obtaining historic survey reference data.

The department will provide the Consultant with alignment data, vertical data, title reports, existing right-of-way plans and proposed right-of-way requirements as each work order is negotiated. The cost and completion dates for the work requirements will be negotiated by the department for each project prior to giving authorization to proceed under a work order.

The completion date for this contract will be 12 months after authorization to proceed.

Firms must be prequalified in the following categories to be considered for this project:

Special Services (Land Surveys)

Special Services (Route Surveys)

Statements of Interest must be submitted electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@nt.dot.state.il.us.

20. **Job No. R-99-009-03, Land and Route Surveys, Various Routes, Various Counties, District Nine.**

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **May 17, 2004** at **1:00 P.M.** at the District Nine office in **Carbondale**.

Land and route surveying services are required under a blanket agreement to furnish land and route surveying, including assistance for surveys, in areas such as right-of-way staking, land surveying, topographic and cross sections for highway projects, and also hydraulic surveys. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis. All work for this project may be in either English or metric units.

Local land surveyor project input is to be expected in obtaining historic survey reference data.

The Department will provide the Consultant with alignment data, vertical data, title reports, existing right-of-way plans and proposed right-of-way requirements as each work order is negotiated. The cost and completion dates for the work requirements will be negotiated by the department for each project prior to giving authorization to proceed under a work order.

The completion date for this contract will be 12 months after authorization to proceed.

Firms must be prequalified in the following categories to be considered for this project:

Special Services (Land Surveys)

Special Services (Route Surveys)

Statements of Interest must be submitted electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@nt.dot.state.il.us.

21. **Job No. D-30-001-04, Engineering Services for the Underwater Diving Investigation of Bridges, Bureau of Bridges and Structures.**

The **Complexity Factor** for this project is **0.003**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a scope of services meeting on **May 18, 2004 at 10:00 A.M.** at the Central Bureau of Bridges and Structures in **Springfield**.

Underwater diving inspection services are required for investigating bridge substructure units and other structures in the water. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The Consultant's work shall include furnishing all labor, materials, and equipment necessary for:

- Visual and tactile inspection of 100 percent of underwater structures (level 1),
- Providing measurements of pitting and damage not to exceed 10 percent of each underwater structure,
- Providing measurements of scour, water depth around piers, and cross sections of the streambed, and
- Providing complete reports with topside photographs, diagrams and underwater photographs necessary to adequately describe conditions and deficiencies found.

The reports will include a scope of work, description of structure, method of investigation, existing site conditions, structure condition with elevations showing damage and streambed elevations, stream bed probing information at each pier, streambed elevation grid 50' out from each pier, streambed cross sections at both fascias and at 100' upstream and downstream, NBIS underwater inspection rating and anything else as requested by the Bureau of Bridges and Structures. The reports shall be signed and sealed by an Illinois Licensed Structural Engineer.

Plans for the structures are available from the department.

This work must be completed within 12 months after authorization to proceed. The agreement with the Consultant will have an option for renewal by the department for an additional 12 months.

Key personnel listed on **Exhibit A** for this project must include:

- An Illinois Licensed Structural Engineer on staff who will supervise the inspection by certified divers.
- The persons performing the diving will be certified divers and also be an Illinois Licensed Structural Engineers, Illinois Licensed Professional Engineers, or otherwise qualified bridge inspectors in accordance with the National Bridge Inspection Standards.

- All staff that will be performing each part of the job, including:
 - field work,
 - diving,
 - report writing and
 - QA/QC.
- All resumes should include a brief description of previous projects completed by each staff member.

Statements of Interest must include the following:

- Firm's experience with this type of work.
- Firm's technique for completion of this type of work.
- Current Obligations Document.
- Disclosure Forms A & B.

Two copies of the Statement of Interest, including resumes of the key people noted above, must be submitted to the Bureau of Design and Environment.

22. Job No. D-30-002-04, Statewide Bridge Painting Inspection, Bureau of Bridges and Structures.

The **Complexity Factor** for this project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a scope of services meeting on **April 30, 2004 at 10:00 A.M.** at the Central Bureau of Bridges and Structures in **Springfield**.

Phase II and III engineering services are required for the supervision, inspection, and documentation of various painting contracts statewide. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis.

The services include providing paint coating failure analysis for ongoing or recently completed painting projects along with recommended solutions, providing technical assistance on specifications, special provisions and various other departmental policies, providing evaluations and recommendations of new painting, cleaning, or containment systems as necessary. The project also involves providing environmental monitoring assistance and training when necessary and suitable traffic control according to departmental standards, when required.

The department will furnish the Consultant with the following:

- Existing special provisions, the 2002 Standard Specifications for Road and Bridge Construction, the 2004 Supplemental Specifications and any other available paint data.
- A contact person(s) to act as a liaison between the Consultant and the department.

The Consultant is required to have the following:

- Five years of experience in construction management and inspection services during surface preparation and coating application.
- Three years of experience in environmental and worker monitoring on industrial lead paint removal projects.
- The use of a laboratory accredited by the American Industrial Hygiene Association (AIHA) for the analysis of metals for all worker exposure filter analyses including PM-10 and TSP-lead filters.
- A fully equipped analytical and physical testing laboratory to support technical and field personnel, as well as associated coatings and monitoring instrumentation necessary to support multiple field projects.
- Documented and acceptable quality control procedures.
- All the necessary equipment to provide or accomplish the above mentioned tasks.

This work must be completed within 12 months after authorization to proceed. The agreement with the Consultant will have an option for renewal by the department for an additional 12 months.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of the Project Manager for all aspects of the work (must be an Illinois Registered Professional Engineer).
- The person performing the duties of the Project Engineer (must be a NACE Certified Inspector).

Statements of Interest must include the following:

- Your firm's experience with this type of work, including the firm's experience in construction management and inspection and in environmental work and worker monitoring.
- Your firm's techniques for completion of this work.
- Names of key personnel along with resumes indicating qualifications including the registered Professional Engineer in charge of the project, the NACE Certified Inspector who will act as a Project Engineer.
- A statement of your firm's ability to do the work in-house, or if necessary, what work you would need to subcontract.
- Name, location, and accreditation of laboratory to be used.
- A statement of your firm's ability to perform the work within the time frame described above.
- The firm's quality assurance and quality control plan.
- Name and phone number of the contact person in your organization.
- Current Obligations Document
- Disclosure Forms A & B

Two copies of the Statement of Interest, including resumes of the key people noted above, must be submitted to the Bureau of Design and Environment.

23. Job No. P-30-003-04 Statewide Waste Assessment Investigations, Studies and Designs.

This project will utilize the **Cost Plus Fixed Fee** method of contracting.

The **Complexity Factor** for this project is **0.035**.

The Consultant who is selected for this project is scheduled to attend a negotiation meeting on **April 21, 2004 at 1:30 P.M.** at the Central Office Bureau of Design and Environment (BDE) in **Springfield**.

The department has contracted with the Illinois State Geological Survey (ISGS) to conduct preliminary environmental site assessments (PESA's) of property proposed for highway use. ISGS conducts land-use history investigations; researches federal, state, and local records; conducts field surveys and selected field tests for volatile organic compounds, metals, pesticides, and PCBs (polychlorinated biphenyls); and attempts to determine if the potential for contamination is nonexistent, low, medium or high.

Based on PESA results, districts work with the Environment Section of the Bureau of Design and Environment (BDE) to decide whether additional analyses or other remediation actions are necessary.

The department will furnish the PESA and, as available, Project Reports, field survey data, soil survey data, and plans of the existing and proposed transportation facility.

Engineering services are required to perform "Preliminary Site Investigations" (PSI's), and when necessary Detailed Site Investigations (DSI's) which are identical to CERCLA RI/FS's. PSI's will entail investigations of sites potentially containing regulated substances. A variety of sites may be investigated (i.e., old, abandoned, or improperly closed landfills, chemical manufacturing sites, metal plating/fabricating sites, dry cleaning/service stations, storage tank sites and buildings and structures, containing potential contamination).

Also, provisions for laboratory and field testing including geophysical surveys when needed will be required for a wide variety of regulated substances including but not limited to: soil and water quality parameters including contaminants i.e., PCB's, pesticides, heavy metals, organics and radioactive wastes

Additional work will include conducting surveys and testing, if applicable, of stored materials, tank contents and containers to determine whether regulated substances are present. Evaluation, summarization and reporting on PSI's, DSI's, laboratory analysis and survey work are included as an important part of this work.

PROPOSED SCOPE OF WORK SUMMARIES FOR THE VARIOUS TYPES OF INVESTIGATIONS REQUIRED:

POTENTIAL WASTE SITES AND UST-LUST SITES

Engineering services are required to perform preliminary site investigations (PSIs) and on occasion, detailed site investigations (DSIs) (RI/FS's), remedial design, which may include underground storage tank (UST) removal, and construction oversight of sites suspected to contain regulated substances, UST- LUSTs and/or unsecured materials of concern. The PSIs are to include verification of subsurface geologic and hydrologic conditions, identification of

chemical contamination and identification of the extent of chemical contamination, when feasible.

Preliminary site investigations include items of work such as work plans, health and safety plans, surface geophysical investigations, trenching, drilling, sampling, chemical analysis, and reporting. Laboratory testing, including quality assurance/quality control is considered to be the responsibility of the Consultant.

MISCELLANEOUS SURVEYS AND TESTING

Engineering services to perform environmental surveys and/or testing on an as-needed basis will include assignments such as conducting surveys and testing of stored materials, tank contents, containers, and environmental media (e.g., surface water, soil, air, groundwater). The work may also include assignments such as reviewing and evaluating existing property-specific information, providing technical expertise on an as-needed basis, and other ad hoc environmental-related tasks within the scope of services normally provided by a hazardous waste Consultant.

EMERGENCY RESPONSE OVERSIGHT

Engineering services are required to perform emergency response oversight. Oversight shall include but not be limited to review of health and safety plans, drilling, sampling, chemical analysis, waste classification, reporting, and coordinating the release with the proper authorities (IEPA, IEMA, U.S. EPA, Corps of Engineers, or other State or Federal Agencies). Laboratory testing, including quality assurance/quality control is considered to be the responsibility of the Consultant. The Consultant should be prepared to perform any task to minimize the release and cleanup. The goal of these work assignments is to obtain closure for the release from the proper State and Federal Agencies.

ENVIRONMENTAL PLANS FOR OPERATIONS FACILITIES

Engineering services maybe required to review current operational facilities on current practices that impact the environment, investigate past practices, and make recommendations for mitigation and improvements. Assist with the development of an environmental management system, which will provide a framework for practices, procedures, and processes to manage the Bureau of Operations' Environmental Program.

EXTRANET

To help in the department facilitate in the review of work plans and PSI reports and project tracking, the Consultant will be required to help ISGS maintain an established extranet site hosted by ISGS. The extranet site shall contain information on each work plan tasked. This information shall include but not be limited to draft and final work plans, draft and final PSI reports, budget information (contract and individual work plans), analytical results, site location maps, site photographs, contacts, related links, project progress.

As a task is identified, the Department will request the Consultant to prepare an outline of the work phases and technical approach, personnel requirements, detailed cost breakdown, and a schedule that is consistent with the task request.

When a task order is awarded for investigation, the Consultant will be fully responsible for the sampling, testing and reporting.

For performance of this work, the Consultant will be required to assign the necessary full-time staff described in its Statement of Interest and in many cases (except emergency response oversight), to respond with a draft work plan within 15 working days, conduct field work within 10 working days after authority to proceed, draft report within 3 months after the authority to proceed, and final report two (2) weeks following IDOT comments. For emergency response oversight, the Consultant will be required to respond in four hours.

The completion time for this work (excluding emergency response oversight) will be 12 months after authorization to proceed and the agreement with the Consultant will have an option to renew by the department for an additional 12 months.

Statements of Interest must include the following:

- The location of the office from which the majority of work on this project will be performed.
- An organization chart showing the Administrative/Managerial Staff of the office and a flow chart of key Technical/Professional Staff, including field and risk assessment staff that will be assigned to this project. Similarly, information of subconsultants' location/organization should be provided.
- The name of the laboratory that will be used for this project. (The selected firm must have the capability of using either in-house or subcontracted laboratory facilities which are qualified to work on IEPA sites. The laboratory shall have an approved IEPA quality assurance plan and follow that plan in performing the analyses.)
- A statement of your firm's ability to do the work in-house, or if necessary, what work is to be subcontracted. Indicate item(s) of work which would be subcontracted and the proposed subcontractors).
- A description of your mobilization plan to be used upon notification that a work order has been authorized.
- A discussion of your organizational and management practices to maintain established schedules, avoid cost overruns, and inform IDOT of the status of work orders.

For additional information concerning the project, please contact Steve Gobelman at (217) 785-4246.

Firms must be prequalified in **Special Services (Hazardous Waste)** and be familiar with IDOT contracts to be considered for this project. In addition, they must comply with the following:

- Use laboratory facilities that are accredited by the IEPA under 35 Illinois Administrative Code 186.
- Use appropriately licensed and certified equipment and appropriately licensed and registered subconsultants.

Statements of Interest must be submitted electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@nt.dot.state.il.us.

24. **Job No. P-30-004-04, P-2, Connect Metra's Southwest Service to Metra's Rock Island District (Belt Junction to Hamilton Park.) P-3, New railroad grade separated structure near 75th Street and Western Ave. EW-2, reconfigure track and signals in BRC's Belt Junction corridor, in Cook County, Office of Planning and Programming, Bureau of Railroads.**

This project requires 15% DBE participation.

The **Complexity Factor** for this project is **0.008**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a scope of services meeting on **April 21, 2004 at 10:00 A.M.** in the Central Bureau of Railroads in **Springfield**.

A Firm selected for this Phase I engineering project will not be eligible for a potential Program Management contract to be advertised in approximately six months depending on future funding of the CREATE program unless the work for this Phase I engineering project has been completed.

These projects are for the Chicago Region Environmental and Transportation Efficiency (CREATE) Program.

Phase I engineering services are required for preparing project reports and all associated work for each of the following P-2, 74th Street Flyover, P-3, 75th Street Flyover and the EW-2, 80th Street to Forest Hill. The estimated construction cost for these projects, P-2, P-3, and EW-2, is \$251,000,000. All work will be in English units.

Phase I engineering services are required for the P-2 project, a proposed double-tracked rail fill and structure from the Metra Rock Island District Line near 74th Street and Normal Ave to Belt Junction, near 75th and Racine. Structures over the CWI, BRC, and several streets are included in the project. The estimated construction cost for this project is \$91,000,000.

Phase I engineering services required for the P-3 project; anticipated double-tracked structure over the CSX and NS to carry Metra's Southwest service operations, including double tracked bypass of NS Landers Yard to Ashburn. The estimated construction cost for this project is \$60,000,000.

Phase I engineering services required for the EW-2 project; proposed reconfiguration of the NS and BRC Main tracks between 80th Street, Belt Junction and Forest Hill areas thereby eliminating Belt Junction. Included in this project are associated signal, track, crossovers, and structure work including raising a span of Metra's Rock Island Line Bridge near 79th Street. The estimated construction cost for this project is \$100,000,000.

The Phase I report will include all work associated with the preparation of a project report including land acquisition requirements, environmental assessment, preparing any hazardous waste documents, track alignment, signal layout, staging and phasing plans, structure report and type, size and location (TS&L) drawing.

The Consultant's work includes, but is not limited to, supplemental survey, data collection, project report, structure report, TS&L drawing, environmental coordination, intersection design studies, noise and air quality analyses, possible hazardous waste investigation, cost estimates,

traffic management, railway coordination, public involvement, and all other work necessary to complete a Phase I study.

The Consultant will be furnished with aerial photography and mapping, planimetrics with DTM, railway data, existing right-of-way information, and other applicable information as available.

This contract must be completed within 24 months after authorization to proceed.

Firms may be required to do a presentation of their approach to this project to the Selection Committee and Railroad Committee.

Key personnel listed on **Exhibit A** and **B** for this project must include:

- The person(s) who will be in charge of rail engineering, rail structures, signal engineering CADD and cost estimations. Resumes should include a brief description of recent railroad work he/she has directed.
- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer with railroad structure experience). In addition, the staff performing this work must be identified as well as their applicable experience in railroad structures.
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Structural Engineer) for all structural work with adequate plan review experience.
- The Environmental Lead who will be responsible for the day-to-day management of the environmental work effort, and persons responsible for all environmental disciplines including air quality, water quality, traffic noise, socio-economics and ecology. Environmental staffing on **Exhibit B** must match the staffing presented in the firm's most recent Statement of Experience and Financial Condition.

Firms must be prequalified in the following categories to be considered for this project:

- **Location and Design Studies (New Construction/Major Reconstruction)**
- **Environmental Reports (Environmental Impact Statements)**
- **Structures (Railroad)**
- **Structures (Highway: Typical)**
- **Railway Engineering**

Firms must also be prequalified in **Special Services (Land Surveys)** or subcontract the Land Surveying work to a firm that is prequalified in this category.

Firm must indicate in the Statements of Interest that they are qualified or have access to a qualified railway signal engineer.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address:
SOIPTB@nt.dot.state.il.us.

25. **Job No. P-30-005-04, C-5, C-6, C-8, C-10, C-11, C-12 and P-4 Central Corridor from Brighton Park to Grand Crossing, Cook County, Office of Planning and Programming, Bureau of Railroads.**

This project requires 15% DBE participation.

The **Complexity Factor** for this project is **0.008**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a scope of services meeting on **April 26, 2004 at 10:00 A.M.** in the Central Bureau of Railroads in **Springfield**.

A Firm selected for this Phase I engineering project will not be eligible for a potential Program Management contract to be advertised in approximately six months depending on future funding of the CREATE program unless the work for this Phase I engineering project has been completed.

These projects are for the Chicago Region Environmental and Transportation Efficiency (CREATE) Program.

Phase I engineering services are required to prepare project reports and all associated work for the proposed construction of approximately 8 miles of the Central Corridor of the CREATE Program. All work will be in English units.

Phase I engineering services are required for the development of Phase I work for the proposed construction of a single and double main track between Brighton Park and Grand Crossing, including structures over B&OCT at 49th Street, Dan Ryan Expressway at 62nd Street, and at several city streets in the Englewood neighborhood and along the Chicago skyway between 63rd and 73rd Streets. This work includes rehabilitation of existing track, new track on existing right of way and track on proposed alignment in the vicinity of 47th Street and Oakley, in the vicinity of 49th and Union, and between the intersection of 57th and Lowe and the intersection of 62nd and Wells. The Consultants work also includes all associated signal work, grading, crossovers, and other related structure work. The upgrading of unused NS track and structures in the Grand Crossing vicinity will also be included. Phase I engineering services are required for the installation of connections in the northwest and southwest quadrants of the Brighton Park interlocking for movements between the Central Corridor and the existing Joliet Sub.

The Phase I report will include all work associated with the preparation of a project report including land acquisition requirements, an environmental assessment, hazardous waste assessment and any preparation of hazardous waste documents, track alignment, signal layout/design, staging and phasing plans, structure report and type, size and location (TS&L) drawing.

Consultant's work includes but is not limited to supplemental survey, data collection, project report, structure report, TS&L drawing, environmental coordination, intersection design studies, noise and air quality analyses, possible hazardous waste investigation, cost estimates, traffic management, railway coordination, public involvement, and all other work necessary to complete a Phase I study.

The Consultant will be furnished with aerial photography and mapping, planimetrics with DTM, railway data, existing right-of-way information, and other applicable information as available.

The estimated construction cost for this project is \$97,000,000. This work shall be completed within 24 months after authorization to proceed.

Firms may be required to do a presentation of their approach to this project to the Selection Committee and Railroad Committee.

Key personnel listed on **Exhibit A** and **B** for this project must include:

- The person(s) who will be in charge of rail engineering, rail structures, signal engineering CADD and cost estimations. Resumes should include a brief description of recent railroad work he/she has directed.
- The person who will assume the duties of Project Manager for all aspects of the work documents (must be and Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer with railroad structure experience). In addition, the staff performing this work must be identified as well as their applicable experience in railroad structures.
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Structural Engineer) for all structural work with adequate plan review experience.
- The Environmental Lead who will be responsible for the day-to-day management of the environmental work effort, and persons responsible for all environmental disciplines including air quality, water quality, traffic noise, socio-economics and ecology. Environmental staffing on **Exhibit B** must match the staffing presented in the firm's most recent Statement of Experience and Financial Condition.

Firms must be prequalified in the following categories to be considered for this project:

- **Location and Design Studies (New Construction/Major Reconstruction)**
- **Environmental Reports (Environmental Impact Statements)**
- **Structures (Railroad)**
- **Structures (Highway: Typical)**
- **Special Transportation Studies (Railway Engineering)**

Firms must also be prequalified in **Special Service (Land Surveys)** or subcontract the Land Surveying work to a firm that is prequalified in this category.

Firm must indicate in the Statements of Interest that they are qualified or have access to a qualified railway signal engineer.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@nt.dot.state.il.us.

26. **Job No. P-30-006-04, P-1, New Railroad Structure near the intersection of 63rd and State Streets, in Cook County, Office of Planning and Programming, Bureau of Railroads.**

This project requires 15% DBE participation.

The **Complexity Factor** for this project is **0.008**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a negotiation meeting on **April 22, 2004 at 10:00 A.M.** in the Central Bureau of Railroads in **Springfield**.

A Firm selected for this Phase I engineering project will not be eligible for a potential Program Management contract to be advertised in approximately six months depending on future funding of the CREATE program unless the work for this Phase I engineering project has been completed.

These projects are for the Chicago Region Environmental and Transportation Efficiency (CREATE) Program.

Phase I engineering services are required for the development of a proposed triple-tracked structure to carry Metra operations over six tracks of NS, CN, and the proposed Midwest High Speed Rail Line. This project is on the south side of Chicago near the intersection of 63rd and State Streets in the Englewood neighborhood. Phase I work includes all work associated with the preparation of a project report including the environmental assessment, right of way and easement requirement, structure report and type, size and location (TS&L) drawing, anticipated retaining wall locations, grading and track alignment as well as proposed construction staging. All work will be in English units.

Consultant's work includes supplemental survey, data collection, project report, structure report, TS&L drawing, environmental coordination, intersection design studies, noise and air quality analyses, cost estimates, traffic management, railway coordination, public involvement, and all other work necessary to complete a Phase I study. The Consultant's work may also include utility coordination, hydraulic surveys/analyses, geometric studies, and preparing hazardous waste documents, development of alignment alternatives, cost estimates, traffic and accident management analysis, and other related work and exhibits.

The Consultant will be furnished with aerial photography and mapping, planimetrics with DTM, railway data, existing right-of-way information, drawings and schematics, CADD files and detailed topographical survey data and other applicable information as available.

The estimated construction cost for this project is \$70,000,000. This contract must be completed within 24 months after authorization to proceed.

Firms may be required to do a presentation of their approach to this project to the Selection Committee and Railroad Committee.

Key personnel listed on **Exhibit A** and **B** for this project must include:

- The person(s) who will be in charge of rail engineering, rail structures, signal engineering CADD and cost estimations. Resumes should include a brief description of recent railroad work he/she has directed.

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer with railroad structure experience). In addition, the staff performing this work must be identified as well as their applicable experience in railroad structures.
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Structural Engineer) for all structural work with adequate plan review experience.
- The Environmental Lead who will be responsible for the day-to-day management of the environmental work effort, and persons responsible for all environmental disciplines including air quality, water quality, traffic noise, socio-economics and ecology. Environmental staffing on **Exhibit B** must match the staffing presented in the firm's most recent Statement of Experience and Financial Condition.

Firms must be prequalified in the following categories to be considered for this project:

- **Location and Design Studies (New Construction/Major Reconstruction)**
- **Structures (Highway Bridges: Railroad)**
- **Special Transportation Studies (Railway Engineering)**

Firms must also be prequalified in **Special Services (Land Surveys)** or subcontract the Land Surveying work to a firm that is prequalified in this category.

Firm must indicate in the Statements of Interest that they are qualified or have access to a qualified railway signal engineer.

The prime Consultant must be prequalified in **Environmental Reports (Simple Environmental Assessment)** and must perform all of the environmental work using staff that has been presented in your most recently approved Statement of Experience and Financial Condition or your firm may use a single subconsulting firm that is prequalified in **Environmental Reports (Simple Environmental Assessment)** to perform all of the environmental work. The subconsultant's staff must be the same as presented in their most recently approved Statement of Experience and Financial Condition.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@nt.dot.state.il.us.

27. **Job No. P-30-007-04, B-2 (UP 3rd Mainline), B-6 (McCook Connection), B-12 (3rd Mainline 123rd Street to CP Francisco), B-9/EW-1 (Argo Connections, Argo Connections/Clearing Mainline), GS-5 (Structure at 127th Street), and GS-10 (Structure at 47th Street), Cook County, Office of Planning and Programming, Bureau of Railroads.**

This project requires 15% DBE participation.

The **Complexity Factor** for this project is **0.008**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a scope of services meeting on **April 23, 2004 at 10:00 A.M.** in the Central Bureau of Railroads in **Springfield**.

A Firm selected for this Phase I engineering project will not be eligible for a potential Program Management contract to be advertised in approximately six months depending on future funding of the CREATE program unless the work for this Phase I engineering project has been completed.

These projects are for the Chicago Region Environmental and Transportation Efficiency (CREATE) Program.

Phase I engineering services are required to prepare project reports and all associated work for each of the following, B-2 project (UP 3rd Main), B-6 project (McCook connection), B-12 project (3rd Mainline 123rd Street to CP Francisco), and the B-9/EW-1 projects (Argo Connections and Clearing Main Lines). Phase I engineering services are also required for two highway grade separation structures, GS-5 project at 127th Street in Blue Island and GS-10 at 47th/East Avenue in LaGrange. All work will be in English units.

Phase I engineering services are required for the B-2 project which includes the proposed 3rd mainline on the UP Geneva Subdivision between Elmhurst and 25th Avenue, approximately 3.5 miles, and a proposed structure over Addison Creek. The estimated construction cost for this project is \$14,500,000.

Phase I engineering services are required for the B-6 project, a proposed second southwest connection between BNSF and IHB/CSX/BOCT. This work is anticipated to extend the existing connection about 1000 feet with an increased speed up to 25 mph. An additional crossover is proposed on IHB/CSX/BOCT trackage as well as signalization to provide visibility and electronic route request capability is also included in the work. The estimated construction cost for this project is \$10,100,000.

Phase I engineering services are required for the B-12 project, a proposed third main along the Beltway Corridor, including construction of new track and the upgrading of a portion of existing track, between the control points at Francisco and at 123rd Street. The work will also include a proposed single-track railroad structure over 127th Street as well as associated signal work. The estimated construction cost for this project is \$8,000,000.

Phase I engineering services are required for the B-9 project a proposed double track connection between the BRC and IHB/BOCT at Argo by installing proposed crossovers and upgrading the lead track to Clearing Yard. The estimated construction cost for this project is \$6,000,000.

Phase I engineering services are required for the EW-1 project which proposes constructing two main tracks around Clearing Yard (approximately 35,000 feet of proposed track) between the East Subdivision and CP Argo on the Beltway Corridor, including any replacement of BRC yard tracks removed to allow construction. The B-9/EW-1 project also includes Phase I engineering services for the proposed lengthening of the highway structures at Cicero and Pulaski Streets. This work also includes any BRC tracks utilized for new mainline to be replaced with additional track on current yard property and any associated signal work. The estimated construction cost for this project is \$31,000,000. The cost of B9 is included in the \$31,000,000.

Phase I engineering services are required for the GS-5 project which is a grade separation at 127th Street in Blue Island. The proposed structure is anticipated to be a four-lane structure over the B&OCT, north (west) of Blue Island Junction. The CNIC (GTW) crossing of 127th Street is near this location and must be taken into consideration as well. The estimated construction cost for this project is \$15,000,000.

Phase I engineering services are required for the GS-10 structure project which is a grade separation at 47th St. and East Avenue in LaGrange. The Consultants work will include recommendations for an overhead or underpass structure to eliminate the at grade crossing. The estimated construction cost for this project is \$15,000,000.

The Phase I reports for each of the projects will include all work associated with the preparation of a project report including land acquisition requirements, environmental assessment, hazardous waste assessment, track alignment, signal layout/design, alignment alternatives, staging and phasing plans, structure reports and type, size and location (TS&L) drawing.

Consultant's work will include but is not limited to supplemental survey, data collection, project report, structure report, TS&L drawing, environmental coordination, preparing hazardous waste documents, intersection design studies, hydraulic analysis, bridge condition reports, geometric studies, noise and air quality analyses, cost estimates, traffic management, railway coordination, public involvement, and all other work necessary to complete a Phase I study.

The Consultant will be furnished with aerial photography and mapping, planimetrics with DTM, railway data, existing right-of-way information, and other applicable information as available.

This work shall be completed within 24 months after authorization to proceed.

Firms may be required to do a presentation of their approach to this project to the Selection Committee and Railroad Committee.

Key personnel listed on **Exhibit A** and **B** for this project must include:

- The person(s) who will be in charge of rail engineering, rail structures, signal engineering CADD and cost estimations. Resumes should include a brief description of recent railroad work he/she has directed.
- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer with railroad structure experience). In addition, the staff performing this work must be identified as well as their applicable experience in railroad structures.
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Structural Engineer) for all structural work with adequate plan review experience.
- The Environmental Lead who will be responsible for the day-to-day management of the environmental work effort, and persons responsible for all environmental disciplines including air quality, water quality, traffic noise, socio-economics and ecology. Environmental staffing on **Exhibit B** must match the staffing presented in the firm's most recent Statement of Experience and Financial Condition.

Firms must be prequalified in the following categories to be considered for this project:

- **Location and Design Studies (New Construction/Major Reconstruction)**
- **Structures (Railroad)**
- **Structures (Highway: Typical)**
- **Special Transportation Studies (Railway Engineering)**

Firms must also be prequalified in **Special Services (Land Surveys)** or subcontract the Land Surveying work to a firm that is prequalified in this category.

The prime Consultant must be prequalified in **Environmental Reports (Complex Environmental Assessment)** and must perform all of the environmental work using staff that has been presented in your most recently approved Statement of Experience and Financial Condition or your firm may use a single subconsulting firm that is prequalified in **Environmental Reports (Complex Environmental Assessment)** to perform all of the environmental work. The subconsultant's staff must be the same as presented in their most recently approved Statement of Experience and Financial Condition.

Firm must indicate in the Statements of Interest that they are qualified or have access to a qualified railway signal engineer.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@nt.dot.state.il.us.

28. **Job No. P-30-008-04, Phase I and/or II for Various Projects, Various Counties, Office of Planning and Programming, Bureau of Railroads.**

This project requires 15% DBE participation.

The **Complexity Factor** for the project is **0**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend a scope of services meeting on **April 20, 2004**, at **10:00 A.M.** in the Central Bureau of Railroads in **Springfield**.

A Firm selected for this engineering project will not be eligible for a potential Program Management contract to be advertised in approximately six months depending on future funding of the CREATE program unless the work for this engineering project has been completed.

Phase I and/or Phase II engineering services are required for various projects for the Chicago Region Environmental and Transportation Efficiency (CREATE) Program. Work orders under the blanket agreement will be negotiated and authorized by the department on an as-needed basis. All work for this project will be in English units.

The Phase I work, if required, may consist of conducting route surveys, land surveys, hydraulic surveys, hydraulic analysis, geometric studies, environmental assessment, and preparing Project Reports. This work may include data collection, development of track alignment alternatives, cost estimates, signal layout, traffic/train management analysis, accident analysis, bridge condition reports, hydraulic reports, type, size and location (TS&L) drawings, structure plans and other related work and exhibits necessary to produce the Project Reports.

The Phase II work, if required, may consist of conducting route surveys, land surveys, preparation of type, size and location drawings, structure plans, track plans, signal design, staging and phasing plans, and any other related work to complete final plans, special provisions and estimates as necessary.

The Consultant will be furnished with aerial photography and mapping, planimetrics with DTM, railway data, existing right-of-way information, and other applicable information as available.

It is anticipated that this contract may include approximately 40 of the CREATE Program projects with estimated construction costs ranging up to \$15,000,000. The engineering services required may consist of only a portion of the total engineering work on a certain project.

This work shall be completed within 18 months after authorization to proceed. The agreement with the Consultant will include an option for renewal by the department for an additional 18 months.

Key personnel listed on **Exhibit A** and **B** for this project must include:

- The person(s) who will be in charge of rail engineering, rail structures, signal engineering CADD and cost estimations. Resumes should include a brief description of recent railroad work he/she has directed.
- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).

- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer with railroad structure experience). In addition, the staff performing this work must be identified as well as their applicable experience in railroad structures.
- The person who will perform the QC/QA review work of all milestone submittal documents (must be an Illinois Licensed Structural Engineer) for all structural work with adequate plan review experience.
- The Environmental Lead who will be responsible for the day-to-day management of the environmental work effort, and persons responsible for all environmental disciplines including air quality, water quality, traffic noise, socio-economics and ecology. Environmental staffing on **Exhibit B** must match the staffing presented in the firm's most recent Statement of Experience and Financial Condition.

Firms must be prequalified in the following categories to be considered for this project:

- **Location and Design Studies (New Construction/Major Reconstruction)**
- **Structures (Railroad)**
- **Structures (Highway: Typical)**
- **Special Transportation Studies (Railway Engineering)**

Firms must also be prequalified in **Special Service (Land Surveys)** or subcontract the Land Surveying work to a firm that is prequalified in this category.

The prime Consultant must be prequalified in **Environmental Reports (Complex Environmental Assessment)** and must perform all of the environmental work using staff that has been presented in your most recently approved Statement of Experience and Financial Condition or your firm may use a single subconsulting firm that is prequalified in **Environmental Reports (Complex Environmental Assessment)** to perform all of the environmental work. The subconsultant's staff must be the same as presented in their most recently approved Statement of Experience and Financial Condition.

Firms must indicate in the Statements of Interest that they are qualified or have access to a qualified railway signal engineer.

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@nt.dot.state.il.us.

29. **Job No. D-96-536-04, FAP 322 (US 51), from 2.9 miles north of IL 16 to the Shelby County line south of Pana, Christian County, District Six.**

This project requires 10.00% DBE participation.

The **Complexity Factor** for this project is **0.003**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are scheduled to attend an initial Scope of Services meeting on **April 21, 2004 at 1:30 p.m.** at the District Six Office in **Springfield**.

Phase II engineering services are required for route and land surveys, hydraulic analysis, preparation of TS&L plans, structure plans, roadway plans, necessary right-of-way documents, and any other related work necessary to complete final plans, special provisions and estimates for the construction associated with the proposed four-lane expressway project on IL 51 from approximately 2.9 miles north of IL 16 to approximately the county line. The approximate length of this project is 7 miles which includes the Pana bypass. All work for this project will be in English units.

The following structures are included in this project:

- SN 011-2014 (US 51 over Coal Creek Tributary; multi-cell box culvert)
- SN 011-2015 (US 51 over Coal Creek; multi-cell box culvert)
- SN 011-0039 (US 51 southbound structure over the Union Pacific Railroad)
- SN 011-0040 (US 51 northbound structure over the Union Pacific Railroad)
- SN 011-0041 (US 51 southbound structure over IL 16)
- SN 011-0042 (US 51 northbound structure over IL 16)
- SN 011-0043 (Township Road 327 over US 51)

The department will furnish the Consultant with available survey notes, as-built construction plans, existing right-of-way plans, soil boring logs, geotechnical report, pavement design and the approved design report.

The estimated construction cost for this project is \$32,000,000. The Consultant's work includes completing plans, special provisions, and estimates for this construction contract. This work must be completed within 30 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.

- The person who will perform/supervise the work in the area of drainage calculations and preparation of the Drainage Report (must be an Illinois Licensed Professional Engineer).
- The person who will perform the QC/QA review work for all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).
- The person who will be in charge of route surveys (must be an Illinois Licensed Professional Engineer or an Illinois Licensed Professional Land Surveyor).

Firms must be prequalified in the following categories to be considered for this project:

Highways (Freeways)
Structures (Highway: Typical)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address:
SOIPTB@nt.dot.state.il.us.

STATEMENTS OF INTEREST MUST BE RECEIVED BY THE BUREAU OF DESIGN AND ENVIRONMENT PRIOR TO 4:30 P.M. LOCAL TIME, MARCH 17, 2004. STATEMENTS RECEIVED AFTER THIS TIME WILL NOT BE CONSIDERED.

30. **Job No. D-96-534-04, FAP 310 (US 67), from 0.2 miles south of Mourning Lane (TR 151) to Schuy-Rush Park (TR 255), Rushville Bypass, Schuyler County, District Six.**

OPPORTUNITY RETURNS ENGINEERING PROJECT

This project requires 10.00% DBE participation.

The **Complexity Factor** for this project is **0.003**.

The Consultant who is selected for this project and all subconsultants the prime Consultant will be using are to attend an initial meeting on **April 16, 2004 at 2:00 P.M.** at the District Six Office in **Springfield**.

Phase II engineering services are required for route and land surveys, hydraulic analysis, geometric studies, preparation of TS&L plans, structure plans, roadway plans, necessary right-of-way documents, and any other related work to complete final plans, special provisions, and estimates for two construction contracts (one roadway; one landscaping). The proposed four-lane expressway project on US 67 is approximately 5.9 miles long and is from approximately 0.2 mile south of TR 151 (Mourning Lane) to approximately TR 255 (Schuy-Rush Park). All work for this project will be in English units.

The following structures are included in this project:

- SN 085-2512 (US 67 over Town Branch; multi-cell box culvert)
- SN 085-2513 (US 67 over Horney Branch, multi-cell box culvert)

The department will furnish the Consultant with available field survey notes, as-built construction plans, existing right-of-way plans, soil boring logs, geotechnical report, and approved project reports.

The estimated construction cost for this project is \$27,600,000. The Consultant's work includes completing plans, special provisions, and estimates for these two construction contracts. This work must be completed within 24 months after authorization to proceed.

Key personnel listed on **Exhibit A** for this project must include:

- The person who will assume the duties of Project Manager for all aspects of the work documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the duties of Project Engineer, that individual in charge who is directly involved in the development of the contract documents (must be an Illinois Licensed Professional Engineer).
- The person who will perform the work in the area of structure plan preparation documents (must be an Illinois Licensed Structural Engineer). In addition, the staff performing this work must be identified.
- The person who will perform/supervise the work in the area of drainage calculations and preparation of the Drainage Report (must be an Illinois Licensed Professional Engineer).

- The person who will perform the QC/QA review work for all milestone submittal documents (must be an Illinois Licensed Professional Engineer for roadway work and must be an Illinois Licensed Structural Engineer for structural work with adequate plan review experience).
- The person who will be in charge of route surveys (must be an Illinois Licensed Professional Engineer or an Illinois Licensed Professional Land Surveyor).
- The person who will be in charge of land surveys (must be an Illinois Licensed Professional Land Surveyor).

Firms must be prequalified in the following categories to be considered for this project:

Highways (Freeways)
Structures (Highway: Simple)

Statements of Interest, including resumes of the key people noted above, must be submitted electronically to the Central Bureau of Design and Environment at the following address: SOIPTB@nt.dot.state.il.us.

STATEMENTS OF INTEREST MUST BE RECEIVED BY THE BUREAU OF DESIGN AND ENVIRONMENT PRIOR TO 4:30 P.M. LOCAL TIME, MARCH 17, 2004. STATEMENTS RECEIVED AFTER THIS TIME WILL NOT BE CONSIDERED.